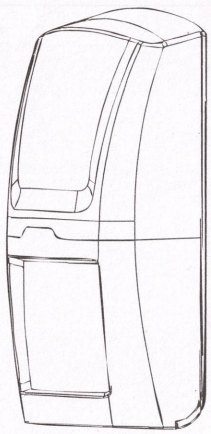
Wireless PIR Detector

—— User Manual ——

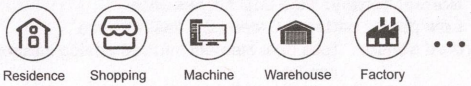
(RF, Micro power consumption, AI, Long distance, Wide angle)



Brief introduction

This products is RF wireless PIR detector, it uses the latest dual-element infrared analog probe with high input impedance, high power supply rejection ratio, strong anti-radio frequency interference, low power consumption, etc.; it cooperates with a microprocessor to achieve different application scenarios and has an intrusion detection function; at the same time, it can pair to alarm panel with RF wireless signal linkage and can realize on-site sound and light alarm or remote alarm; it is suitable for various scenarios that require intrusion alarm.

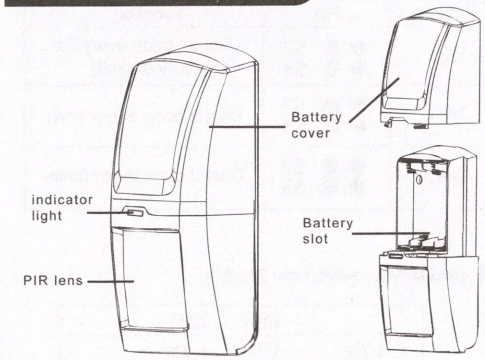
Applicable place



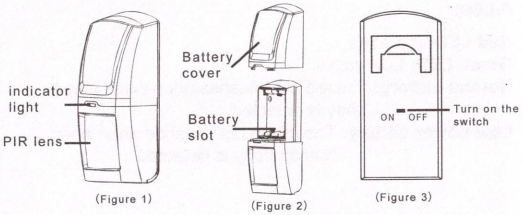
Feature:

- Adopt dual-element infrared analog probe
- Adopt SMD technology, with anti-radio frequency ability
- Anti-white light interference
- Mode for optional:
  1. RF code sending method can be selected
  2. Three optional for detection interval
  3. RF oscillation resistance is optional
- AI automatic power saving mode, ultra-low power consumption, save battery life
- 4pcs 1.5V AAA batteries, large capacity and longer service life

Understanding of Products

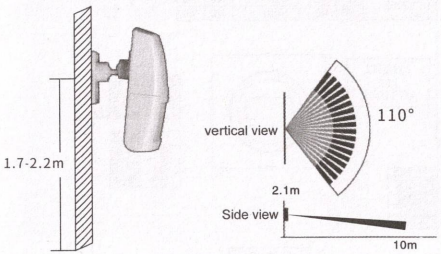


Installation

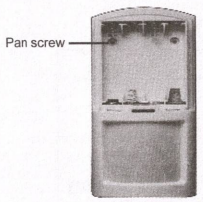


(Figure 1) (Figure 2) (Figure 3)

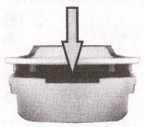
(Figure 1) : The front of detector.
(Figure 2) : When installing the battery, push out the battery cover upward, put the positive and negative poles of 4pcs 1.5V AAA batteries into the battery slot, and close the battery cover downward.
(Figure 3) : Turn on the power switch and turn it to the on position.



(Figure 4)



(Figure 5)



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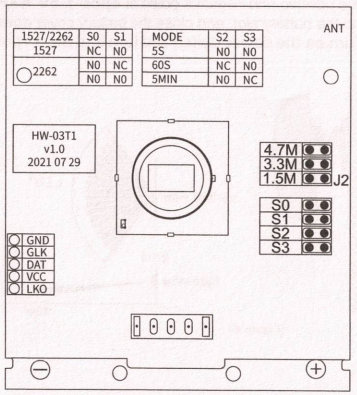
Function description



1.RF code sending method: [S0,S1]

Code sending	Pin	Function
1527	●● S0 ●● S1	1527
2262	●● S0 ●● S1	2262 (Factory default)
	●● S0 ●● S1	

2.Detect modes: [S2,S3]

Mode	Pin	Function
5s	●● S2 ●● S3	Detect once every 5s (Factory default)
1min	●● S2 ●● S3	Detect once every 1min
5min	●● S2 ●● S3	Detect once every 5min

3.RF oscillation resistance: [S2,S3]

	1567	2262
4.7M	470K	4.7M
3.3M	330K	3.3M(Factory default)
1.5M	150K	1.5M

4.LED:

Red LED: Alarming
Green LED: Low power
Normal battery: The red LED flashes once when human body is detected
Low power battery: The green LED flashes once when human body is detected

Technical Parameters

Working voltage: DC 6V (4pcs AAAbatteries)
Static current: ≤30uA
Alarm current: ≤50mA
Low power alarm: ≤4.7V
Detecting distance: 6-9m
Transmitting frequency: RF/433.92MHz/ASK/1527/2262 (Factory default:433.92MHz/ASK/2262/3.3M)
Detection angle: 110°
Detection of walking speed: 0.3m/s-3m/s
Alarm indication:
Normal battery: Red LED flashes once
Low power battery: Green LED flashes once
Infrared sensor: 1pcs dual-element infrared analog infrared sensor
Relative humidity: 5%-95%RH(no condensation)
Installation: Wall or corner installation
Installation height: 1.7m-2.2m
Working temperature: -10°C ~ + 65°C
Detector Size: 112*60*38mm